

K.UMA M.Sc.,M.Phil.,  
[uma87auh@gmail.com](mailto:uma87auh@gmail.com)  
Contact Number: 9843911303

Ragavendra II Street  
AnbuNagar Bus stand  
Madurai

### Objective:

Aiming at excellence in the working field hard work, dedication, and honesty at challenging environment.

### Professional summary:

- Knowledge in Teaching of java programming, Data Structure.
- Interdisciplinary coverage of theoretical and practical aspects.
- Experience handling project work and demonstrations skills in the area research.
- Co-ordinate the conducting, moderating and marking require assessments, tests, examinations and supplementary exam also.
- Versed with traditional and modern teaching methodologies/equipments, PowerPoint presentations, delivered webinars and broadcast.
- Adept at communicating effectively with customers and staff.
- Team player with superior presentation, interpersonal skills.

### Professional Experience (Teaching) :

Designation	Institution Name	Period of Work
• Asst.Professor	Yadava College, Tamilnadu, India.	June 2009-Apr 2011
• Asst. Professor	Senthamarai College of Arts and Science, Tamilnadu,India.	Dec 2015- Mar 2021
• Asst. Professor	Yadava College,Tamilnadu,India.	Sep 2022- Till now.

### Responsibilities

- Ensuring students reach their full potential through the use of innovative teaching methods.
- Researching on the related teaching material and evolving the required pedagogy
- Supervision and counseling of students on theoretical and practical activities.
- Timely and comprehensive preparation of examination question papers and quizzes; conducting examinations, carrying out assessment and reviewing results in compliance with the college rules and regulations and instructions.
- Systematic record-keeping of students' results, activities and attendance.
- Proactive and focused academic counseling and career advice to students.
- Supervising on-the-job training of students, providing assistance to supervisors of the industrial sector in charge of the college students during their training and presenting reports on the students' progress to the concerned heads.

- Carrying out any others tasks assigned by the concerned heads of center, department or section.
- Design and Develop the Applications
- Assist with design and development of new projects.
- Maintain current applications and manage reports.

#### Technical Proficiency:

- Operating System : Advanced
- Languages : C, C++,Java,Python
- RDBMS : Oracle
- GUI : Visual Basic
- Packages : MS-Office, FoxPro
- Client Side : HTML, DHTML, Java Script
- Platform : Novell Netware, Windows NT.
- Graphics Software : Photoshop, Flash, Dreamweaver

#### Educational Qualification:

- Ph.D (Computer Science) Pursuing(Part Time),Madurai Kamaraj University
- M.Phil (Computer Science)-86.7%-Mother Teresa Women's University,Kodaikanal,TamilNadu
- M.Sc ( Information Technology)-85%-Yadava College, Madurai, TamilNadu,
- B.Sc(Bio-Che)-70%-Yadava College, Madurai, TamilNadu,

#### Journals and Publications:

- Published in the "Journal of Analysis and Computation " a Paper on "KeyFrame Video Detection Algorithm:A Review" Publish in JAC-ISSN-0973-2861, special issue 2019.
- Published in the "International Journal of Computer Engineering and Applications" a paper on "Digital Image Forgery Detection using SIFT based Algorithm" published in IJCEA-ISSN 2321-3469 Volume XII, Issue-I January 2018
- My Research work paper I is published in Elsevier support journal of Measurement Sensor. The paper title is "A novel Swarm optimized clustering based and Genetic Algorithm form Medical Decision Support System" It was published online in 14.06.2023 <http://doi.org/10.1016/j.measen.2023.100821>.
- My Research work paper II is published in Springer Nature [International Journal of System Assurance Engineering and Management](#). The paper title is " A novel hybrid sparse-neural joint adjustable random forest (Sn-Arf) classification method for medical decision support system" Original Article Published: 28 November 2024 <https://doi.org/10.1007/s13198-024-02621-3> .

#### Paper Presented at seminar/conference:

- Presented in the National conference on Advanced Computing Techniques in "Video Forensic and Detection Algorithm" held on SVN College on 8<sup>th</sup> February 2018.
- Presented in the InterNational conference on 'Emerging Trends in IOT and Machine Learning' a Paper on "KeyFrame Video Detection Algorithm:A Review" held on Mangayarkarasi college of arts and Science on 5<sup>th</sup> January 2019.

- Published a paper in the International Conference on “In-World Technologies, Venture into Next Gen” organized by the Department of Computer Science, Computer Application, Information Technology, Fatima College, Madurai on 25 & 26 may 2022.
- Paper presented in the ‘Intelligent Computing and Communication Technology (ICCT-2024)’. Paper title: “Application of Machine Learning in Healthcare Domain-A Detailed Literature Review” held on M.V.Muthiah Government Arts College for Women on 27<sup>th</sup> Sep 2024
- Paper presented in the International Conference on ‘Evolving Technologies in Computing Science for Multidisciplinary Application’. Paper Title:” A Comprehensive Overview of Machine Learning Supervised Algorithms” held on NPR Arts & Science College on 7<sup>th</sup> January 2025

#### Personal Details:

- Date of birth : 07-01-1987
- Marital : Married
- Community : BC-Yadava
- Nationality : Indian
- Languages : English, Tamil

( K.UMA )